

CRF Errors Corrected by the STIC Systems Branch

OIPE #18590

4/15/2003 by 07

Serial Number: 10/042,696

CRF Processing Date: 4/15/2003  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☒ Inserted a SEQ ID NO \_\_\_\_\_ SEQ ID NO's edited: 12
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: corrected misaligned amino acid number (Seqs 1-3)

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

**RAW SEQUENCE LISTING**

DATE: 04/15/2003

PATENT APPLICATION: US/10/042,696

TIME: 18:47:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04152003\J042696.raw

```

1 <110> APPLICANT: Tuszyński, George
2     Williams, Taffy
3     Actor, Paul
5 <120> TITLE OF INVENTION: RETROINVERSO POLYPEPTIDES THAT MIMIC OR INHIBIT
THROMBOSPONDIN ACTIVITY
7 <130> FILE REFERENCE: 07206-0021
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/042,696
C--> 10 <141> CURRENT FILING DATE: 2001-10-03
12 <160> NUMBER OF SEQ ID NOS: 38
14 <170> SOFTWARE: PatentIn Ver 2.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 6
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic or human
fragment/analog of
23     thrombospondin
25 <400> SEQUENCE: 1
26 Cys Ser Val Thr Cys Gly
27 1      5
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 9
31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic fragment/analog
of
36     thrombospondin
38 <400> SEQUENCE: 2
39 Trp Ser Pro Cys Ser Val Thr Cys Gly
40 1      5
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 6
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic fragment/analog
of
50     thrombospondin
52 <400> SEQUENCE: 3
53 Gly Cys Thr Val Ser Cys
54 1      5
57 <210> SEQ ID NO: 4

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58 <211> LENGTH: 6  
59 <212> TYPE: PRT  
60 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/042,696

DATE: 04/15/2003

TIME: 18:47:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04152003\J042696.raw

62 <220> FEATURE:

of 63 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic fragment/analog

64 thrombospondin

66 <220> FEATURE:

67 <223> OTHER INFORMATION: Cys at positions 1 & 5 are blocked with ACM

69 <400> SEQUENCE: 4

70 Cys Ser Val Thr Cys Gly

71 1 5

74 <210> SEQ ID NO: 5

75 <211> LENGTH: 6

76 <212> TYPE: PRT

77 <213> ORGANISM: Artificial Sequence

79 <220> FEATURE:

of 80 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic fragment/analog

81 thrombospondin

83 <400> SEQUENCE: 5

84 Val Cys Thr Gly Ser Cys

85 1 5

88 <210> SEQ ID NO: 6

89 <211> LENGTH: 4

90 <212> TYPE: PRT

91 <213> ORGANISM: Artificial Sequence

93 <220> FEATURE:

of 94 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic fragment/analog

95 thrombospondin

97 <400> SEQUENCE: 6

98 Val Thr Cys Gly

99 1

102 <210> SEQ ID NO: 7

103 <211> LENGTH: 6

104 <212> TYPE: PRT

105 <213> ORGANISM: Artificial Sequence

107 <220> FEATURE:

fragment/analog of 108 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

109 thrombospondin

111 <400> SEQUENCE: 7

112 Cys Ser Thr Ser Cys Gly

113 1 5

116 <210> SEQ ID NO: 8

117 <211> LENGTH: 9

118 <212> TYPE: PRT

119 <213> ORGANISM: Artificial Sequence

121 <220> FEATURE:

fragment/analog of 122 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

123 thrombospondin

125 <400> SEQUENCE: 8

126 Trp Asp Ile Cys Ser Val Thr Cys Gly

127 1 5

130 <210> SEQ ID NO: 9

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/042,696

DATE: 04/15/2003

TIME: 18:47:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04152003\J042696.raw

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131 <211> LENGTH: 9
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
137     thrombospondin
139 <400> SEQUENCE: 9
140 Trp Ser Ser Cys Ser Val Thr Cys Gly
141   1             5
144 <210> SEQ ID NO: 10
145 <211> LENGTH: 9
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
151     thrombospondin
153 <400> SEQUENCE: 10
154 Trp Thr Ser Cys Ser Thr Ser Cys Gly
155   1             5
158 <210> SEQ ID NO: 11
159 <211> LENGTH: 23
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
165     thrombospondin
167 <400> SEQUENCE: 11
168 Trp Ser Pro Trp Ser Glu Trp Thr Ser Cys Ser Thr Ser Cys Gly Asn
169   1             5             10             15
170 Gly Ile Gln Gln Arg Gly Arg
171             20
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 23
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
181     thrombospondin
183 <400> SEQUENCE: 12
184 Trp Ser His Trp Ser Pro Trp Ser Ser Cys Ser Val Thr Cys Gly Asp
185   1             5             10             15
186 Gly Val Ile Thr Arg Ile Arg
187             20
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 23
192 <212> TYPE: PRT
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

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fragment/analog of

**RAW SEQUENCE LISTING**

DATE: 04/15/2003

PATENT APPLICATION: US/10/042,696

TIME: 18:47:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04152003\J042696.raw

```

197      thrombospondin
199 <400> SEQUENCE: 13
200 Trp Gly Pro Trp Ser Pro Trp Asp Ile Cys Ser Val Thr Cys Gly Gly
201   1           5           10           15
202 Gly Val Gln Lys Arg Ser Arg
203           20
206 <210> SEQ ID NO: 14
207 <211> LENGTH: 9
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analog of
213      thrombospondin
215 <400> SEQUENCE: 14
216 Trp Ser Pro Cys Ser Val Thr Cys Ser
217   1           5
220 <210> SEQ ID NO: 15
221 <211> LENGTH: 9
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analog of
227      thrombospondin
229 <400> SEQUENCE: 15
230 Trp Ser Gln Cys Ser Val Thr Cys Gly
231   1           5
234 <210> SEQ ID NO: 16
235 <211> LENGTH: 9
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analog of
241      thrombospondin
243 <400> SEQUENCE: 16
244 Trp Ser Gln Cys Asn Val Thr Cys Gly
245   1           5
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 9
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analog of
255      thrombospondin
257 <400> SEQUENCE: 17
258 Trp Thr Pro Cys Ser Val Thr Cys Gly
259   1           5
262 <210> SEQ ID NO: 18
263 <211> LENGTH: 59
264 <212> TYPE: PRT

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## RAW SEQUENCE LISTING

DATE: 04/15/2003

PATENT APPLICATION: US/10/042,696

TIME: 18:47:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04152003\J042696.raw

```

265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
269     thrombospondin
271 <400> SEQUENCE: 18
272 Asp Gly Gly Trp Ser His Trp Ser Pro Trp Ser Ser Ser Val Thr Cys
273   1           5           10           15
274 Gly Asp Gly Val Ile Thr Arg Ile Arg Leu Cys Asn Ser Pro Ser Pro
275           20           25           30
276 Gln Met Asn Gly Lys Pro Cys Glu Gly Glu Ala Arg Glu Thr Lys Ala
277   35           40           45
278 Cys Lys Lys Asp Ala Cys Pro Ile Asn Gly Gly
279   50           55
282 <210> SEQ ID NO: 19
283 <211> LENGTH: 6
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
289     thrombospondin
291 <220> FEATURE:
292 <223> OTHER INFORMATION: disulfide linked
294 <400> SEQUENCE: 19
295 Cys Ser Val Thr Cys Gly
296   1           5
299 <210> SEQ ID NO: 20
300 <211> LENGTH: 6
301 <212> TYPE: PRT
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
306     thrombospondin
308 <220> FEATURE:
309 <223> OTHER INFORMATION: disulfide linked
311 <400> SEQUENCE: 20
312 Cys Ser Thr Ser Cys Gly
313   1           5
316 <210> SEQ ID NO: 21
317 <211> LENGTH: 6
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
fragment/analogue of
323     thrombospondin
325 <220> FEATURE:
326 <223> OTHER INFORMATION: blocked Cys residues
328 <400> SEQUENCE: 21
329 Cys Ser Thr Ser Cys Gly
330   1           5

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/042,696

DATE: 04/15/2003  
TIME: 18:47:47

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\04152003\J042696.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 22

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/042,696

DATE: 04/15/2003

TIME: 18:47:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04152003\J042696.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/042,696

DATE: 04/08/2003

TIME: 12:14:07

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04082003\J042696.raw

3 <110> APPLICANT: Tuszynski, George  
 4 Williams, Taffy  
 5 Actor, Paul  
 7 <120> TITLE OF INVENTION: RETROINVERSO POLYPEPTIDES THAT MIMIC OR INHIBIT  
 THROMBOSPONDIN ACTIVITY  
 9 <130> FILE REFERENCE: 07206-0021  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/042,696  
 C--> 12 <141> CURRENT FILING DATE: 2003-03-31  
 14 <160> NUMBER OF SEQ ID NOS: 38  
 16 <170> SOFTWARE: PatentIn Ver 2.0

## ERRORED SEQUENCES

**Does Not Comply  
 Corrected Diskette Needed**

18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 6  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Artificial Sequence  
 23 <220> FEATURE:  
 24 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic or human  
 fragment/analog of  
 25 thrombospondin  
 27 <400> SEQUENCE: 1  
 28 Cys Ser Val Thr Cys Gly  
 E--> 29 1 5 5  
 31 <210> SEQ ID NO: 2  
 32 <211> LENGTH: 9  
 33 <212> TYPE: PRT  
 34 <213> ORGANISM: Artificial Sequence  
 36 <220> FEATURE:  
 37 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic fragment/analog  
 of  
 38 thrombospondin  
 40 <400> SEQUENCE: 2  
 41 Trp Ser Pro Cys Ser Val Thr Cys Gly  
 E--> 42 1 5 5  
 45 <210> SEQ ID NO: 3  
 46 <211> LENGTH: 6  
 47 <212> TYPE: PRT  
 48 <213> ORGANISM: Artificial Sequence  
 50 <220> FEATURE:  
 51 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic fragment/analog  
 of  
 52 thrombospondin

54 <400> SEQUENCE: 3  
55 Gly Cys Thr Val Ser Cys  
E--> 56 1 5 S

## RAW SEQUENCE LISTING

DATE: 04/08/2003

PATENT APPLICATION: US/10/042,696

TIME: 12:14:07

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04082003\J042696.raw

176 <210> SEQ ID NO: 12  
177 <211> LENGTH: 23  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic  
fragment/analog of  
183 thrombospondin  
E--> 185 <400> SEQUENCE: 12 ← insert  
186 Trp Ser His Trp Ser Pro Trp Ser Ser Cys Ser Val Thr Cys Gly Asp  
187 1 5 10 15  
188 Gly Val Ile Thr Arg Ile Arg  
189 20  
574 <210> SEQ ID NO: 38  
575 <211> LENGTH: 6  
576 <212> TYPE: PRT  
577 <213> ORGANISM: Artificial Sequence  
579 <220> FEATURE:  
580 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic  
fragment/analog of  
581 thrombospondin  
583 <400> SEQUENCE: 38  
584 Cys Ser Val Thr Cys Gly  
585 1 5  
E--> 589 6 delete

## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 04/08/2003

PATENT APPLICATION: US/10/042,696

TIME: 12:14:08

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04082003\J042696.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 24

**VERIFICATION SUMMARY**PATENT APPLICATION: **US/10/042,696**

DATE: 04/08/2003

TIME: 12:14:08

Input Set : **A:\pto.vsk.txt**Output Set: **N:\CRF4\04082003\J042696.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:29 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1  
L:42 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2  
L:56 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3  
L:185 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:12 differs:11  
L:589 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:38